

Vortex Flowmeter Reduces Maintenance Costs and Increases Throughput in Polyester Fiber Production Facility

RESULTS

- 8800 measures lower flows than the same size standard Vortex
- Reduced installation costs by an average of \$800 per flow point compared with field installation of Reducers
- Minimizes risk by matching face-to-face dimension of standard 8800 Vortex



Conoco will realize reduced operations and maintenance costs by reducing down-time and maintenance calls for plugged impulse lines.

APPLICATION

TiO₂ utilizing the chloride process

CUSTOMER

Conoco®

CHALLENGE

Conoco's use of Vortex flowmeter technology has increased greatly over the past two years. This has been due to a general transition toward applying "Best Practices" concepts to all of their flow applications.

On a recent project, Conoco decided to apply vortex meters where they had traditionally been using orifice plates. They had been experiencing maintenance issues with plugging/freezing impulse lines

SOLUTION

While the original justification for this project was to reduce their maintenance costs by eliminating the plugged impulse line problem, additional savings was realized by Emerson Process Management's unique offering of the Reducer Vortex Meter.

While sizing the meters for this application, it was noted that Emerson Process Management needed to downsize each of the lines to get a "good" measurement from the vortex meters. Normally this would require welding reducers to the line and putting in a section of reduced-bore piping. However, Emerson Process Management was able to offer an additional \$6300+ in savings by eliminating the additional installation costs normally associated with putting in a smaller than line size meter.

ROSEMOUNT®

For more information:
www.rosemount.com


EMERSON™
Process Management

In summary, Conoco will realize reduced operations and maintenance costs by reducing down-time and maintenance calls for plugged impulse lines. They have already realized up front savings during the installation of these meters.

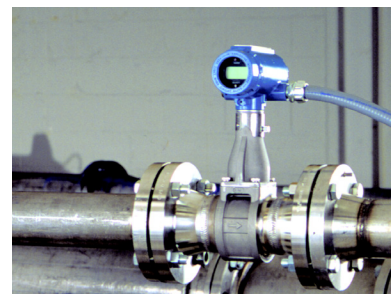
RESOURCES

Emerson Process Management Oil and Gas Industry

<http://www2.emersonprocess.com/en-US/industries/oil-gas/Pages/OilandGas.aspx>

Rosemount Vortex Flowmeters

<http://www2.emersonprocess.com/en-US/brands/rosemount/Flow/Vortex-Flowmeters/Pages/index.aspx>



Installed Rosemount Vortex Flowmeter.

The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, expressed or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which can be found at www.rosemount.com/terms_of_sale. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

The Emerson logo is a trade mark and service mark of Emerson Electric Co. Rosemount and the Rosemount logotype are registered trademarks of Rosemount Inc. PlantWeb is a registered trademark of one of the Emerson Process Management group of companies. All other marks are the property of their respective owners.

Emerson Process Management Rosemount Inc.

8200 Market Boulevard
Chanhassen, MN 55317 USA
www.rosemount.com
Tel (USA) 800 522 6277
Tel (International) +1 (303) 527 5200
Fax +1 (303) 530 8459

Emerson Process Management

Blegistrasse 23
P.O. Box 1046
CH 6341 Baar
Switzerland
Tel +41 (0) 41 768 6111
Fax +41 (0) 41 768 6300

Emerson FZE

P.O. Box 17033
Jebel Ali Free Zone
Dubai UAE
Tel +971 4 811 8100
Fax +971 4 886 5465

Emerson Process Management Asia Pacific Private Limited

1 Pandan Crescent
Singapore 128461
T (65) 6777 8211
F (65) 6777 0947
Enquiries@AP.EmersonProcess.com

Emerson Process Management Latin America

Multipark Office Center

Multipark Office Center
Turrubares Building, 3rd & 4th floor
Guachipelin de Escazu, Costa Rica
T+(506) 2505-6962
international.mmicam@emersonprocess.com

ROSEMOUNT[®]

For more information:
www.rosemount.com



EMERSON[™]
Process Management